

# multimod-R Technical details

DIVICE TYPE	multimod-R fitting units	
	AH p = 5.5, 7 or 8 %	AB p = 12.5 or 14 %
Rated voltage   Frequency	U <sub>n</sub> = 400 V   50 Hz	
Maximum permissible operating voltage	U <sub>n</sub> = 400 V ± 10 %	
Maximum permissible operating current	1.3 x I <sub>n</sub> permanently	
REACTIVE POWER CONTROLLER	<b>multicomp 144 LCD</b> 4-quadrant operation Optimizing controller behavior Circuit switching	
Current transformer connection	1 A and 5 A	
Safety and maintenance concept secureC	Only in connection with <b>multicomp 4D6</b>	
SWITCH ELEMENT	Capacitor contactors	
Control voltage	U <sub>control</sub> = 230 V, 50 Hz control voltage transformer required if operating voltage deviates	
Switch delay	60 s	
CAPACITORS	Low-loss <b>multicond-UHPC</b> power capacitors, MTK technology	
Capacitor rated voltage	U <sub>Meas.</sub> = 440 V	U <sub>Meas.</sub> = 525 V
Discharge of capacitors	Discharge resistors t < 60 s Optional discharge inductors t < 3 s	
FILTER CIRCUIT REACTORS	Linear filter circuit reactors to avoid resonances in networks with harmonics, built-in temperature monitoring	
Reactor factors	p = 5.5, 7 or 8 %	p = 12.5 or 14 %
FITTING UNITS - DESIGN	Module plates galvanized	
Mode of protection	IP 00, the components used correspond to BGV-A2	
AMBIENT TEMPERATURES	+ 40 °C highest value, briefly + 35 °C in 24-hour average + 20 °C in annual average - 10 °C lowest value	
FUSE PROTECTION	Group back-up fuse with NH fuses and fuse sockets (NH-disconnector on request)	